

DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp**

1600 Stout St Ste 1500
Denver Colo 80202

ATTN: Jim Weber

1-13-17-Ellis-Ks

Schmidt #1

Start Date: 2004.02.26 @ 14:00:21

End Date: 2004.02.26 @ 20:11:51

Job Ticket #: 19778 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp
 1600 Stout St Ste 1500
 Denver Colo 80202
 ATTN: Jim Weber

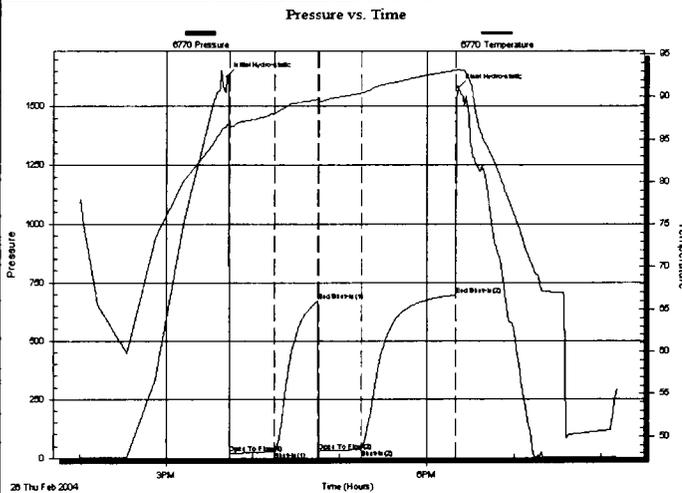
Schmidt #1
1-13-17-Ellis-Ks
 Job Ticket: 19778 **DST#: 1**
 Test Start: 2004.02.26 @ 14:00:21

GENERAL INFORMATION:

Formation: **Tor / A-B- LKC**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 15:43:51
 Tester: **Dan Bangle**
 Time Test Ended: 20:11:51
 Unit No: **21**
 Interval: **3266.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Reference Elevations: **2044.00 ft (KB)**
 Total Depth: **3330.00 ft (KB) (TVD)**
 2039.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **5.00 ft**

Serial #: 6770 **Inside**
 Press@RunDepth: **35.82 psig @ 3270.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.02.26** End Date: **2004.02.26** Last Calib.: **2004.02.26**
 Start Time: **14:00:22** End Time: **20:11:51** Time On Btm: **2004.02.26 @ 15:42:21**
 Time Off Btm: **2004.02.26 @ 18:21:21**

TEST COMMENT: IF-Weak steady 1/8" blow
 FF-Weak steady surface blow
 Times-30-30-30-60



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1627.89 | 86.72 | Initial Hydro-static |
| 2 | 17.54 | 86.45 | Open To Flow (1) |
| 33 | 27.64 | 88.08 | Shut-In (1) |
| 63 | 669.57 | 89.71 | End Shut-In (1) |
| 64 | 28.83 | 89.48 | Open To Flow (2) |
| 93 | 35.82 | 90.42 | Shut-In (2) |
| 157 | 696.34 | 93.08 | End Shut-In (2) |
| 159 | 1579.81 | 93.20 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 20.00 | Drig mud | 0.10 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19778 **DST#: 1**
Test Start: 2004.02.26 @ 14:00:21

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3081.00 ft | Diameter: 3.80 inches | Volume: 43.22 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 182.00 ft | Diameter: 2.25 inches | Volume: 0.90 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 44.12 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3266.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 64.00 ft | | | |
| Tool Length: | 85.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3246.00 | |
| Shut In Tool | 5.00 | | | 3251.00 | |
| Hydraulic tool | 5.00 | | | 3256.00 | |
| Packer | 5.00 | | | 3261.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3266.00 | |
| Stubb | 1.00 | | | 3267.00 | |
| Perforations | 2.00 | | | 3269.00 | |
| Change Over Sub | 1.00 | | | 3270.00 | |
| Recorder | 0.00 | 6770 | Inside | 3270.00 | |
| Drill Pipe | 31.00 | | | 3301.00 | |
| Change Over Sub | 1.00 | | | 3302.00 | |
| Recorder | 0.00 | 13254 | Outside | 3302.00 | |
| Perforations | 25.00 | | | 3327.00 | |
| Bullnose | 3.00 | | | 3330.00 | 64.00 Bottom Packers & Anchor |

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp

Schmidt #1

1600 Stout St Ste 1500
Denver Colo 80202

1-13-17-Ellis-Ks

Job Ticket: 19778

DST#: 1

ATTN: Jim Weber

Test Start: 2004.02.26 @ 14:00:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 20.00 | Drig mud | 0.098 |

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

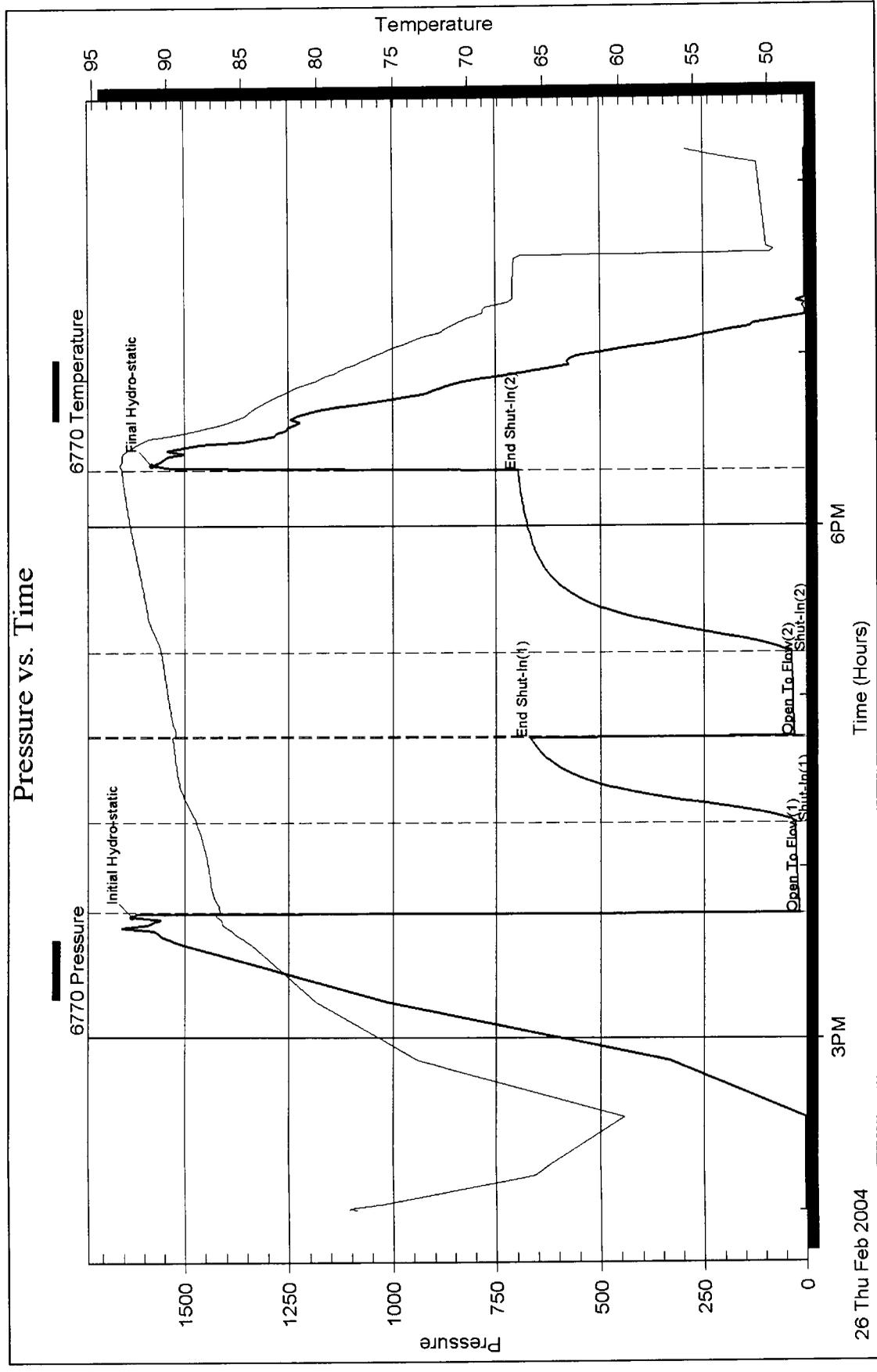
Serial #: 6770

Inside

Coral Production Corp

1-13-17-Ellis-Ks

DST Test Number: 1

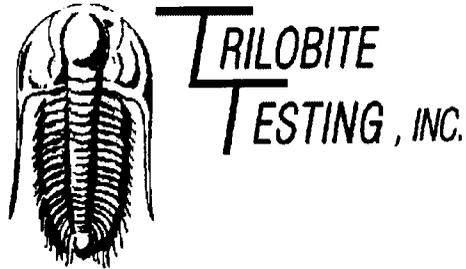


26 Thu Feb 2004

6PM

3PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp**

1600 Stout St Ste 1500
Denver Colo 80202

ATTN: Jim Weber

1-13-17-Ellis-Ks

Schmidt #1

Start Date: 2004.02.27 @ 04:15:40

End Date: 2004.02.27 @ 11:37:10

Job Ticket #: 19779 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19779 **DST#: 2**
Test Start: 2004.02.27 @ 04:15:40

GENERAL INFORMATION:

Formation: **C-D-E-F LKC**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 05:56:40
Time Test Ended: 11:37:10
Interval: **3330.00 ft (KB) To 3380.00 ft (KB) (TVD)**
Total Depth: **3380.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **21**
Reference Elevations: **2044.00 ft (KB)**
2039.00 ft (CF)
KB to GR/CF: **5.00 ft**

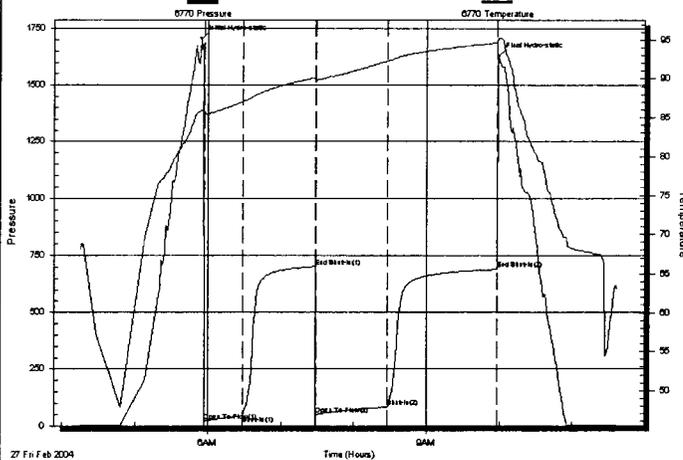
Serial #: 6770

Inside

Press@RunDepth: 82.12 psig @ 3334.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.02.27 End Date: 2004.02.27 Last Calib.: 2004.02.27
Start Time: 04:15:41 End Time: 11:37:10 Time On Btm: 2004.02.27 @ 05:54:10
Time Off Btm: 2004.02.27 @ 09:59:10

TEST COMMENT: IF-Weak building to fair blow - BOB in 30 min
FF-Weak building to fair blow - BOB in 38 min
Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1704.46 | 85.93 | Initial Hydro-static |
| 3 | 18.71 | 85.51 | Open To Flow (1) |
| 34 | 44.20 | 87.04 | Shut-In(1) |
| 94 | 701.56 | 90.11 | End Shut-In(1) |
| 95 | 50.91 | 89.88 | Open To Flow (2) |
| 154 | 82.12 | 92.27 | Shut-In(2) |
| 244 | 690.01 | 94.63 | End Shut-In(2) |
| 245 | 1627.51 | 95.22 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | MCHO 70%o 30%m | 0.30 |
| 124.00 | CO | 0.63 |
| 0.00 | 435 GIP | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19779 **DST#: 2**
Test Start: 2004.02.27 @ 04:15:40

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3143.00 ft | Diameter: 3.80 inches | Volume: 44.09 bbl | Tool Weight: 1600.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 182.00 ft | Diameter: 2.25 inches | Volume: 0.90 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 44.99 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 16.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3330.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 50.00 ft | | | |
| Tool Length: | 71.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3310.00 | |
| Shut In Tool | 5.00 | | | 3315.00 | |
| Hydraulic tool | 5.00 | | | 3320.00 | |
| Packer | 5.00 | | | 3325.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3330.00 | |
| Stubb | 1.00 | | | 3331.00 | |
| Perforations | 2.00 | | | 3333.00 | |
| Change Over Sub | 1.00 | | | 3334.00 | |
| Recorder | 0.00 | 6770 | Inside | 3334.00 | |
| Drill Pipe | 30.00 | | | 3364.00 | |
| Change Over Sub | 1.00 | | | 3365.00 | |
| Recorder | 0.00 | 13254 | Outside | 3365.00 | |
| Perforations | 12.00 | | | 3377.00 | |
| Bullnose | 3.00 | | | 3380.00 | 50.00 Bottom Packers & Anchor |

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp

Schmidt #1

1600 Stout St Ste 1500
Denver Colo 80202

1-13-17-Ellis-Ks

Job Ticket: 19779

DST#: 2

ATTN: Jim Weber

Test Start: 2004.02.27 @ 04:15:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 60.00 | MCHO 70%o 30%m | 0.295 |
| 124.00 | CO | 0.628 |
| 0.00 | 435 GIP | 0.000 |

Total Length: 184.00 ft Total Volume: 0.923 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

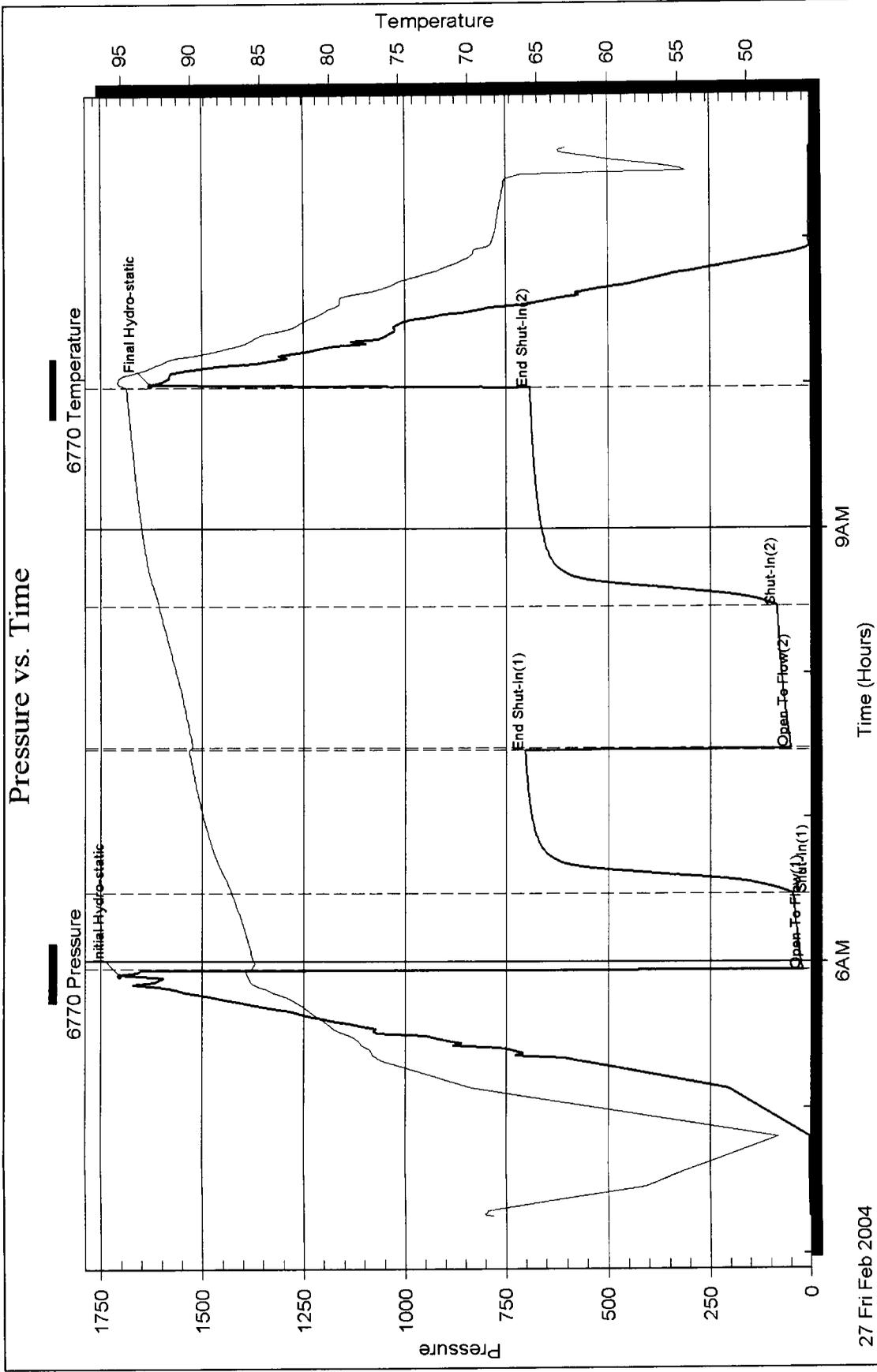
Serial #: 6770

Inside

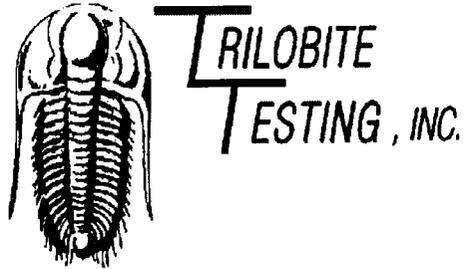
Coral Production Corp

1-13-17-Ellis-Ks

DST Test Number: 2



27 Fri Feb 2004



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp**

1600 Stout St Ste 1500
Denver Colo 80202

ATTN: Jim Weber

1-13-17-Ellis-Ks

Schmidt #1

Start Date: 2004.02.27 @ 23:50:58

End Date: 2004.02.28 @ 05:48:58

Job Ticket #: 19780 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Coral Production Corp

Schmidt #1

1-13-17-Ellis-Ks

DST # 3

LKC

2004.02.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19780 **DST#: 3**
Test Start: 2004.02.27 @ 23:50:58

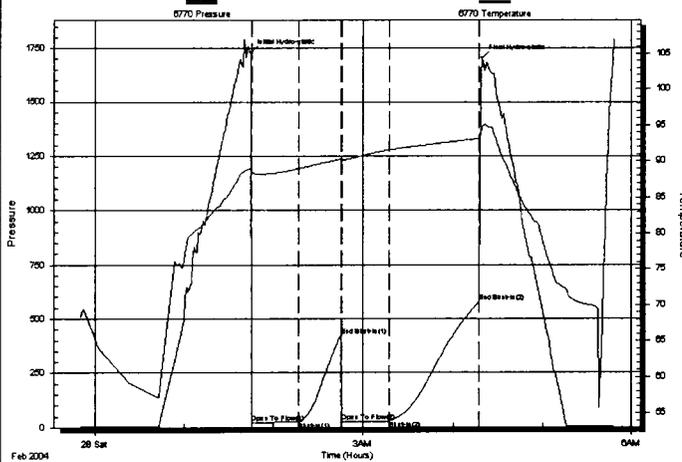
GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: 01:44:58
Time Test Ended: 05:48:58
Interval: **3420.00 ft (KB) To 3511.00 ft (KB) (TVD)**
Total Depth: **3511.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **21**
Reference Elevations: **2044.00 ft (KB)**
2039.00 ft (CF)
KB to GRVCF: **5.00 ft**

Serial #: 6770 **Inside**
Press@RunDepth: **29.87 psig @ 3424.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.02.27** End Date: **2004.02.28** Last Calib.: **2004.02.28**
Start Time: **23:50:59** End Time: **05:48:58** Time On Btm: **2004.02.28 @ 01:44:28**
Time Off Btm: **2004.02.28 @ 04:19:28**

TEST COMMENT: IF-Weak died in 10 min
FF-No blow
Times-30-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1729.98 | 88.99 | Initial Hydro-static |
| 1 | 19.55 | 88.41 | Open To Flow (1) |
| 32 | 24.64 | 88.94 | Shut-In(1) |
| 61 | 421.43 | 90.25 | End Shut-In(1) |
| 61 | 25.72 | 90.15 | Open To Flow (2) |
| 93 | 29.87 | 91.56 | Shut-In(2) |
| 153 | 577.72 | 93.12 | End Shut-In(2) |
| 155 | 1702.98 | 94.76 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | DM | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19780 **DST#: 3**
Test Start: 2004.02.27 @ 23:50:58

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3236.00 ft | Diameter: 3.80 inches | Volume: 45.39 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 182.00 ft | Diameter: 2.25 inches | Volume: 0.90 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 46.29 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 19.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3420.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 91.00 ft | | | |
| Tool Length: | 112.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3400.00 | |
| Shut In Tool | 5.00 | | | 3405.00 | |
| Hydraulic tool | 5.00 | | | 3410.00 | |
| Packer | 5.00 | | | 3415.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3420.00 | |
| Stubb | 1.00 | | | 3421.00 | |
| Perforations | 2.00 | | | 3423.00 | |
| Change Over Sub | 1.00 | | | 3424.00 | |
| Recorder | 0.00 | 6770 | Inside | 3424.00 | |
| Drill Pipe | 62.00 | | | 3486.00 | |
| Change Over Sub | 1.00 | | | 3487.00 | |
| Recorder | 0.00 | 13254 | Outside | 3487.00 | |
| Perforations | 21.00 | | | 3508.00 | |
| Bullnose | 3.00 | | | 3511.00 | 91.00 Bottom Packers & Anchor |

Total Tool Length: 112.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp

Schmidt #1

1600 Stout St Ste 1500
Denver Colo 80202

1-13-17-Ellis-Ks

Job Ticket: 19780

DST#: 3

ATTN: Jim Weber

Test Start: 2004.02.27 @ 23:50:58

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 8000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | DM | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

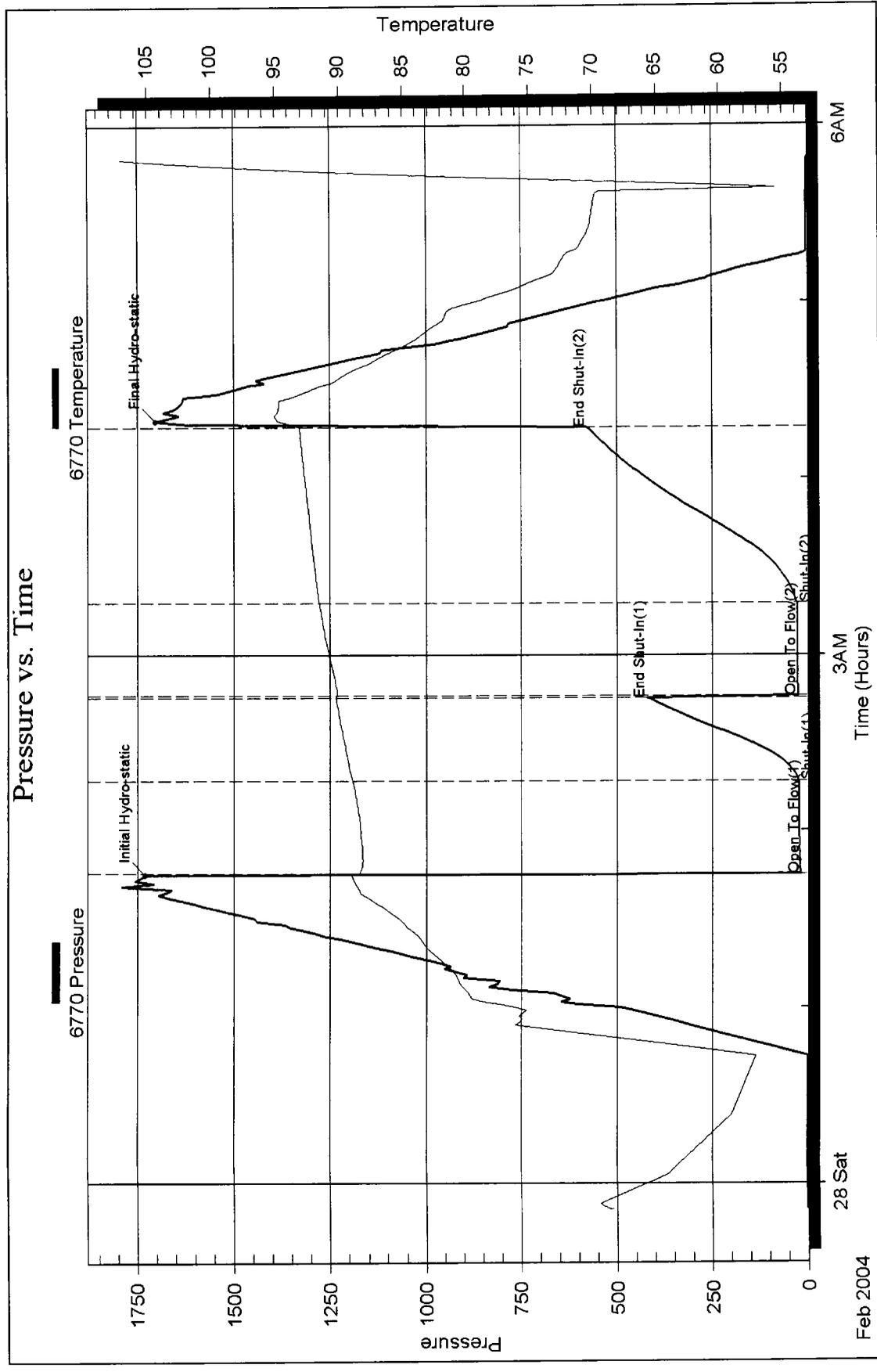
Serial #: 6770

Inside

Coral Production Corp

1-13-17-Ellis-Ks

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp**

1600 Stout St Ste 1500
Denver Colo 80202

ATTN: Jim Weber

1-13-17-Ellis-Ks

Schmidt #1

Start Date: 2004.02.28 @ 19:44:49

End Date: 2004.02.29 @ 01:47:19

Job Ticket #: 19781 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

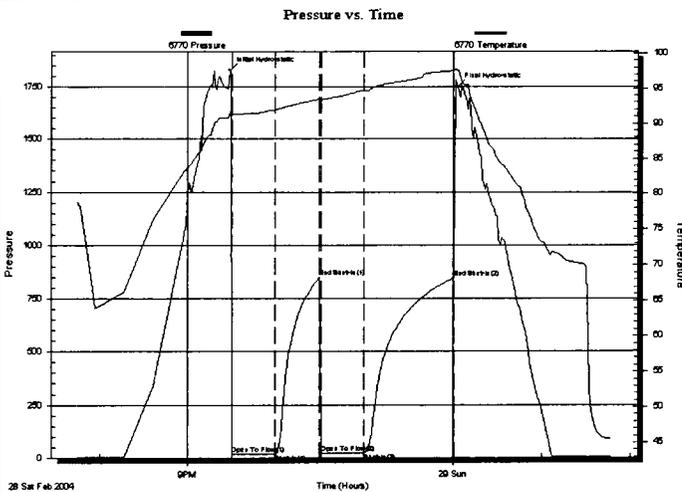
Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19781 **DST#: 4**
Test Start: 2004.02.28 @ 19:44:49

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:30:19
Time Test Ended: 01:47:19
Interval: **3577.00 ft (KB) To 3600.00 ft (KB) (TVD)**
Total Depth: 3600.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21
Reference Elevations: 2044.00 ft (KB)
2039.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6770 Inside
Press@RunDepth: 23.46 psig @ 3578.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.02.28 End Date: 2004.02.29 Last Calib.: 2004.02.29
Start Time: 19:44:50 End Time: 01:47:19 Time On Btm: 2004.02.28 @ 21:28:49
Time Off Btm: 2004.02.29 @ 00:02:49

TEST COMMENT: IF-Weak died in 15 min
FF-No blow
Times-30-30-30-60



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1828.74 | 91.61 | Initial Hydro-static |
| 2 | 17.00 | 91.12 | Open To Flow (1) |
| 31 | 19.08 | 91.94 | Shut-In(1) |
| 61 | 848.60 | 93.48 | End Shut-In(1) |
| 62 | 20.95 | 93.32 | Open To Flow (2) |
| 91 | 23.46 | 94.68 | Shut-In(2) |
| 152 | 847.49 | 97.52 | End Shut-In(2) |
| 154 | 1751.05 | 97.59 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | DM | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19781 **DST#: 4**
Test Start: 2004.02.28 @ 19:44:49

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3392.00 ft | Diameter: 3.80 inches | Volume: 47.58 bbl | Tool Weight: 1100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 182.00 ft | Diameter: 2.25 inches | Volume: 0.90 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 48.48 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 48000.00 lb |
| Depth to Top Packer: | 3577.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 23.00 ft | | | |
| Tool Length: | 44.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3557.00 | |
| Shut In Tool | 5.00 | | | 3562.00 | |
| Hydraulic tool | 5.00 | | | 3567.00 | |
| Packer | 5.00 | | | 3572.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3577.00 | |
| Stubb | 1.00 | | | 3578.00 | |
| Recorder | 0.00 | 6770 | Inside | 3578.00 | |
| Perforations | 19.00 | | | 3597.00 | |
| Recorder | 0.00 | 1' 3254 | Outside | 3597.00 | |
| Bullnose | 3.00 | | | 3600.00 | 23.00 Bottom Packers & Anchor |
| Total Tool Length: | 44.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp
1600 Stout St Ste 1500
Denver Colo 80202
ATTN: Jim Weber

Schmidt #1
1-13-17-Ellis-Ks
Job Ticket: 19781 **DST#: 4**
Test Start: 2004.02.28 @ 19:44:49

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 57.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.19 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 7000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | DM | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

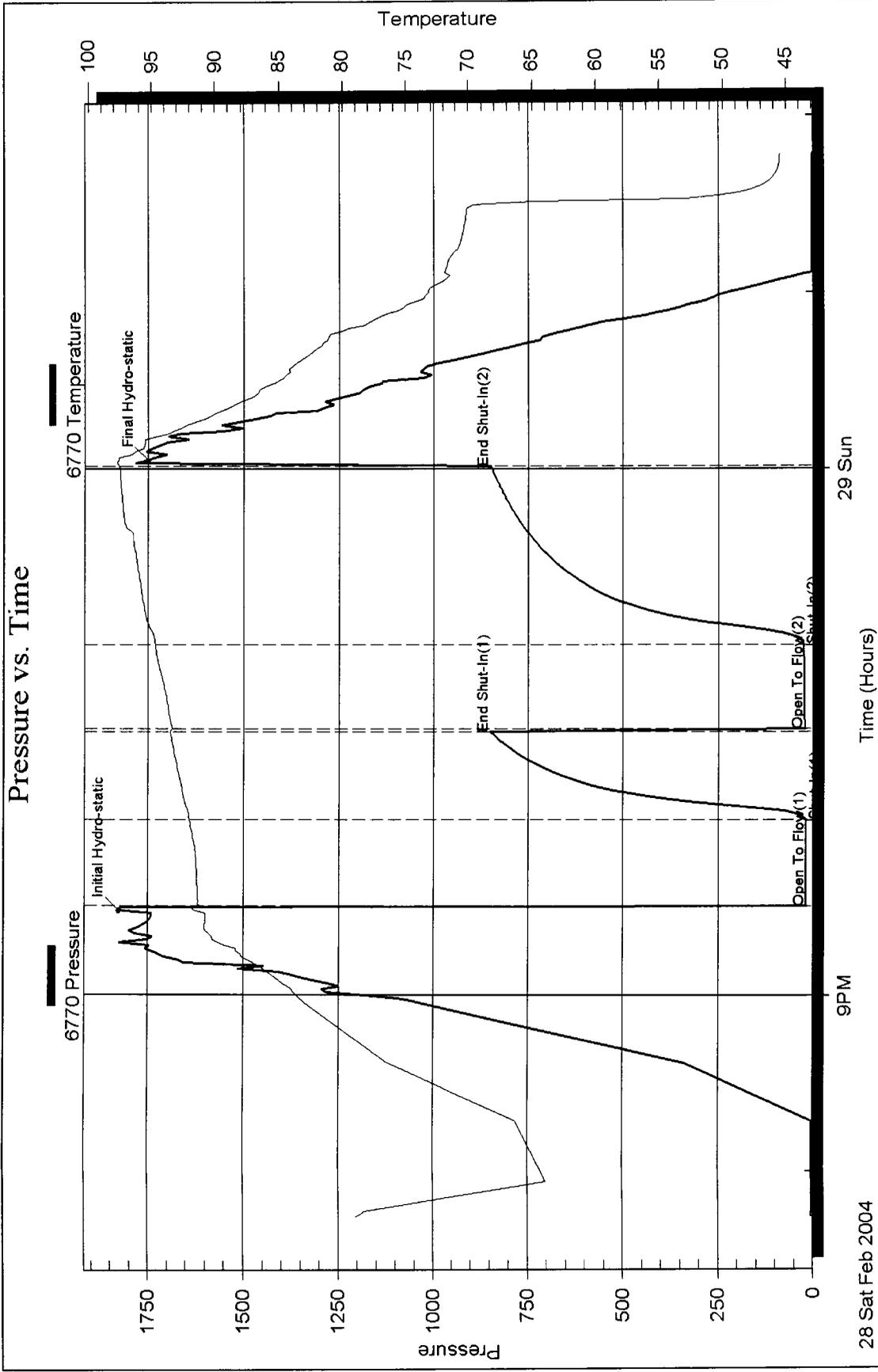
Serial #: 6770

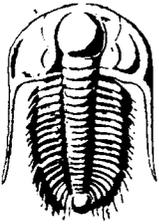
Inside

Coral Production Corp

1-13-17-Ellis-Ks

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19778

INW
6244

05/03

Test Ticket

Well Name & No. Schmidt #1 Test No. 1 Date 2-26-04
 Company Coral Production Corp Zone Tested Ter - A-B LKC
 Address 1600 STOUT ST. STE 1500, DENVER, COLO. 80202 Elevation 2044 KB 2039 GL
 Co. Rep / Geo. Tim Haver Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13 Rge. 17 Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3266 — 3330 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 45,000
 Anchor Length 64 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 15,000
 Top Packer Depth 3261 Tool Weight 2000
 Bottom Packer Depth 3266 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3330 Wt. Pipe Run _____ Drill Collar Run 182
 Mud Wt. 9.1 LCM _____ Vis. 57 WL 2.2 Drill Pipe Size 4.5 X 11/2 Ft. Run 3081
 Blow Description I.F. Weak steady 1/8" blow

E.F. Weak steady surface blow

Recovery - Total Feet 20 GIP _____ Ft. in DC 20 Ft. in DP _____
 Rec. 20 Feet of D.M. %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 93 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

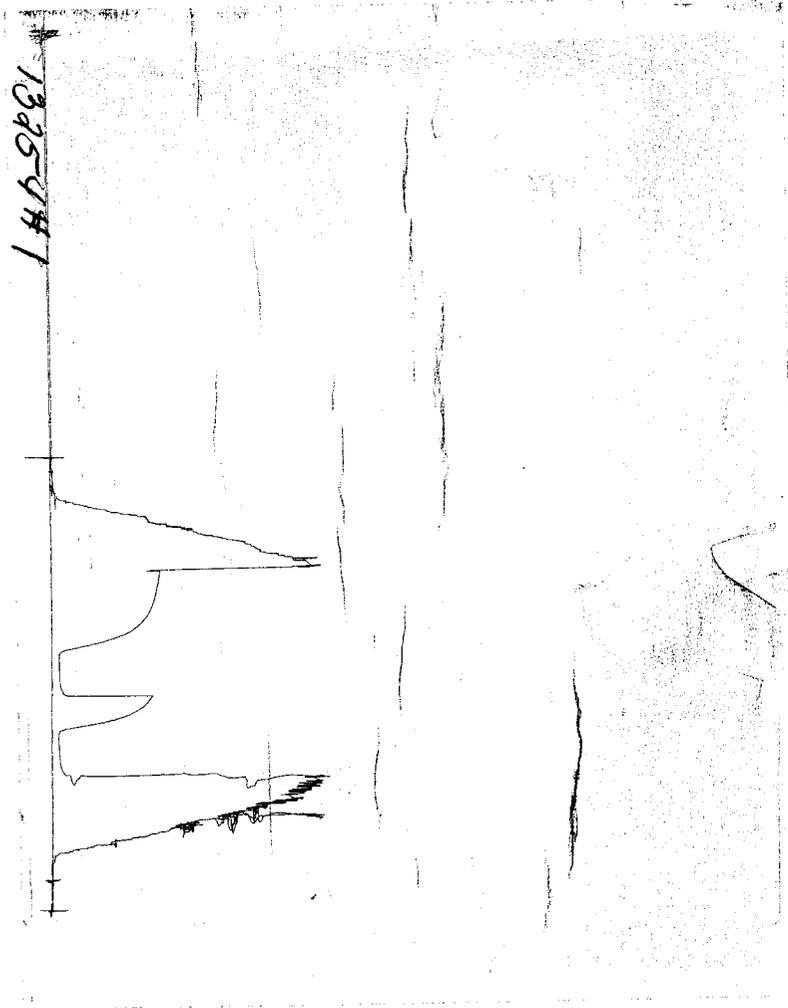
| | | | | | | | |
|----------------------------------|------|--------|----------|-----------------|-------|--------------|--------------------|
| (A) Initial Hydrostatic Mud | AK-1 | Alpine | 1627 PSI | Recorder No. | 6720 | Test | 700 150 |
| (B) First Initial Flow Pressure | | | 17 PSI | (depth) | 3270 | Elec. Rec. | X |
| (C) First Final Flow Pressure | | | 27 PSI | Recorder No. | 13254 | Jars | |
| (D) Initial Shut-In Pressure | | | 669 PSI | (depth) | 3302 | Safety Jt. | |
| (E) Second Initial Flow Pressure | | | 28 PSI | Recorder No. | | Circ Sub | |
| (F) Second Final Flow Pressure | | | 35 PSI | (depth) | | Sampler | |
| (G) Final Shut-In Pressure | | | 696 PSI | Initial Opening | 30 | Straddle | |
| (Q) Final Hydrostatic Mud | | | 1579 PSI | Initial Shut-In | 30 | Ext. Packer | |
| | | | | Final Flow | 30 | Shale Packer | |
| | | | | Final Shut-In | 60 | Mileage | 15 <u>25.50</u> |
| | | | | T-On Location | 12:30 | Sub Total: | 875.50 |
| | | | | T-Started | 14:00 | Std. By | <u>[Signature]</u> |
| | | | | T-Open | 15:43 | Other | |
| | | | | T-Pulled | 19:13 | Total: | |
| | | | | T-Out | 20:11 | | |

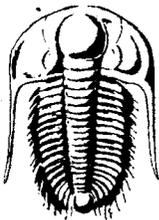
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Approved By _____
Our Representative Dan Bangle

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19779

05/03

Test Ticket

Well Name & No. Schmidt #1 Test No. 2 Date 2-27-04
 Company Coral Production Corp Zone Tested C-D-E-F-LKC
 Address _____ Elevation 2044 KB 2039 GL
 Co. Rep / Geo. Tim Lauer Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13 Rge. 17 Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3330 — 3380 Initial Str Wt./Lbs. 45,000 Unseated Str Wt/Lbs. 45,000
 Anchor Length 50 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3325 Tool Weight 1600
 Bottom Packer Depth 3330 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3380 Wt. Pipe Run _____ Drill Collar Run 182
 Mud Wt. 9.1 LCM _____ Vis. 57 WL 7.2 Drill Pipe Size 4.5x14 Ft. Run 3143
 Blow Description I.F. weak-building to fair blow - B.O.B. in 30 min.
F.F. weak-building to fair blow - B.O.B. in 38 min.

Recovery - Total Feet 184 GIP 435 Ft. in DC 182 Ft. in DP 2
 Rec. 124 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 60 Feet of MCHO %gas 70 %oil _____ %water 30 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 94 °F Gravity _____ °API D @ _____ °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

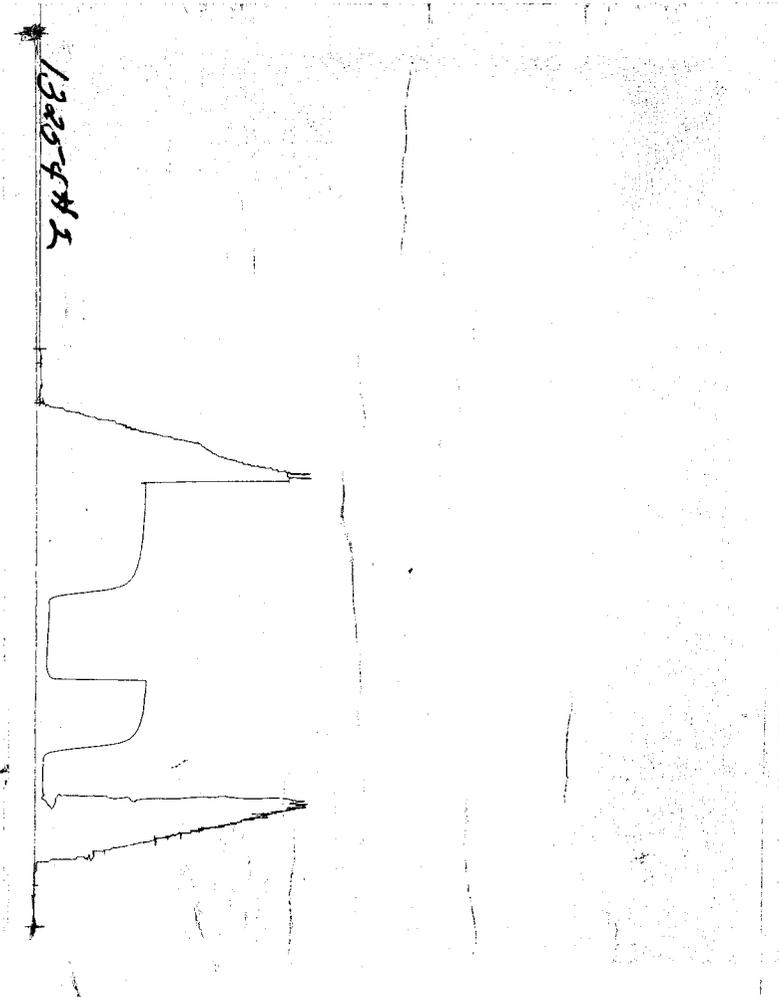
| | | | | | |
|----------------------------------|-----------------|-----------------|--------------|--------------|---------------|
| (A) Initial Hydrostatic Mud | <u>1704</u> PSI | Recorder No. | <u>6770</u> | Test | _____ |
| (B) First Initial Flow Pressure | <u>18</u> PSI | (depth) | <u>3334</u> | Elec. Rec. | <u>X</u> |
| (C) First Final Flow Pressure | <u>44</u> PSI | Recorder No. | <u>13254</u> | Jars | _____ |
| (D) Initial Shut-In Pressure | <u>701</u> PSI | (depth) | <u>3365</u> | Safety Jt. | _____ |
| (E) Second Initial Flow Pressure | <u>50</u> PSI | Recorder No. | _____ | Circ Sub | _____ |
| (F) Second Final Flow Pressure | <u>82</u> PSI | (depth) | _____ | Sampler | _____ |
| (G) Final Shut-In Pressure | <u>690</u> PSI | Initial Opening | <u>30</u> | Straddle | _____ |
| (Q) Final Hydrostatic Mud | <u>1627</u> PSI | Initial Shut-In | <u>60</u> | Ext. Packer | _____ |
| | | Final Flow | <u>60</u> | Shale Packer | _____ |
| | | Final Shut-In | <u>90</u> | Mileage | <u>15</u> |
| | | T-On Location | <u>03:30</u> | Sub Total: | <u>875.50</u> |
| | | T-Started | <u>04:15</u> | Std. By | _____ |
| | | T-Open | <u>05:50</u> | Other | _____ |
| | | T-Pulled | <u>09:55</u> | Total: | _____ |
| | | T-Out | <u>11:37</u> | | |

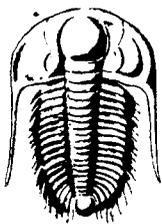
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Approved By Tim Lauer
 Our Representative Dan Bangle

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19780

05/03

Test Ticket

Well Name & No. Schmidt #1 Test No. 3 Date 2-27-04
 Company Coral Production Corp Zone Tested LKC
 Address _____ Elevation 2044 KB 2039 GL
 Co. Rep / Geo. Tim Haver Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13 Rge. 17 Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3420 — 3511 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 91' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 59,000
 Top Packer Depth 3415 Tool Weight 2500
 Bottom Packer Depth 3420 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3511 Wt. Pipe Run _____ Drill Collar Run 182
 Mud Wt. 9.2 LCM _____ Vis. 48 WL 8.8 Drill Pipe Size 4.5 XH Ft. Run 3236
 Blow Description I.F. Weak - Died in 10 min.

F.F. No blow

Recovery - Total Feet 10 GIP _____ Ft. in DC 10 Ft. in DP _____
 Rec. 10 Feet of D.M %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 93 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8,000 ppm System

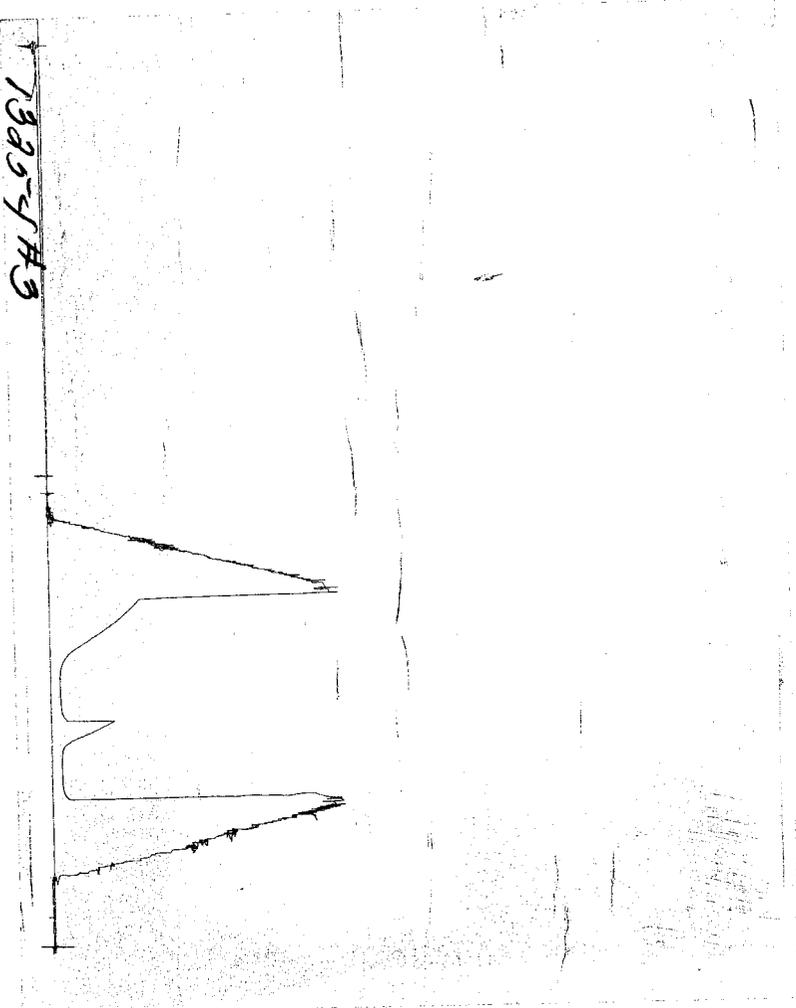
| | | | | | |
|----------------------------------|-----------------|-----------------|--------------|--------------|---------------|
| (A) Initial Hydrostatic Mud | <u>1729</u> PSI | Recorder No. | <u>6770</u> | Test | _____ |
| (B) First Initial Flow Pressure | <u>19</u> PSI | (depth) | <u>3424</u> | Elec. Rec. | <u>X</u> |
| (C) First Final Flow Pressure | <u>24</u> PSI | Recorder No. | <u>13254</u> | Jars | _____ |
| (D) Initial Shut-In Pressure | <u>421</u> PSI | (depth) | <u>3487</u> | Safety Jt. | _____ |
| (E) Second Initial Flow Pressure | <u>25</u> PSI | Recorder No. | _____ | Circ Sub | _____ |
| (F) Second Final Flow Pressure | <u>29</u> PSI | (depth) | _____ | Sampler | _____ |
| (G) Final Shut-In Pressure | <u>577</u> PSI | Initial Opening | <u>30</u> | Straddle | _____ |
| (Q) Final Hydrostatic Mud | <u>1702</u> PSI | Initial Shut-In | <u>30</u> | Ext. Packer | _____ |
| | | Final Flow | <u>30</u> | Shale Packer | _____ |
| | | Final Shut-In | <u>60</u> | Mileage | <u>15</u> |
| | | T-On Location | <u>23:30</u> | Sub Total: | <u>875.50</u> |
| | | T-Started | <u>23:50</u> | Std. By | _____ |
| | | T-Open | <u>01:45</u> | Other | _____ |
| | | T-Pulled | <u>04:15</u> | Total: | _____ |
| | | T-Out | <u>05:48</u> | | |

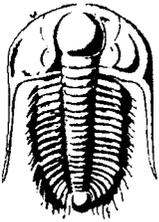
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Approved By _____
 Our Representative Dan Bangle

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19781

05/03

Test Ticket

Well Name & No. Schmidt #1 Test No. 4 Date 2-28-04
 Company Coral Production Corp Zone Tested Arbuckle
 Address _____ Elevation 2044 KB 2039 GL
 Co. Rep / Geo. Tim Hauer Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 13 Rge. 17 Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3577 — 3600 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 23 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 15,000
 Top Packer Depth 3572 Tool Weight 1100
 Bottom Packer Depth 3577 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3600 Wt. Pipe Run _____ Drill Collar Run 182
 Mud Wt. 9.2 LCM _____ Vis. 57 WL 7.2 Drill Pipe Size 4.5XH Ft. Run 3392
 Blow Description I.F. Weak - Died in 15 min.

F.F. No blow

Recovery - Total Feet 10 GIP _____ Ft. in DC 10 Ft. in DP _____
 Rec. 10 Feet of D.M. %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 97 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 7,000 ppm System

| | AK-1 | Alpine | Recorder No. | Test |
|----------------------------------|-------------|--------|-----------------------------------|--------------------------|
| (A) Initial Hydrostatic Mud | <u>1828</u> | PSI | <u>6770</u> | _____ |
| (B) First Initial Flow Pressure | <u>17</u> | PSI | (depth) <u>3578</u> | Elec. Rec. <u>X</u> |
| (C) First Final Flow Pressure | <u>19</u> | PSI | Recorder No. <u>13254</u> | Jars _____ |
| (D) Initial Shut-In Pressure | <u>848</u> | PSI | (depth) <u>3597</u> | Safety Jt. _____ |
| (E) Second Initial Flow Pressure | <u>20</u> | PSI | Recorder No. _____ | Circ Sub _____ |
| (F) Second Final Flow Pressure | <u>23</u> | PSI | (depth) _____ | Sampler _____ |
| (G) Final Shut-In Pressure | <u>847</u> | PSI | Initial Opening <u>30</u> | Straddle _____ |
| (Q) Final Hydrostatic Mud | <u>1751</u> | PSI | Initial Shut-In <u>30</u> | Ext. Packer _____ |
| | | | Final Flow <u>30</u> | Shale Packer _____ |
| | | | Final Shut-In <u>60</u> | Mileage <u>15</u> |
| | | | T-On Location <u>18:00</u> | Sub Total: <u>875.50</u> |
| | | | T-Started <u>19:44</u> | Std. By _____ |
| | | | T-Open <u>21:30</u> | Other _____ |
| | | | T-Pulled <u>24:00</u> | Total: _____ |
| | | | T-Out <u>01:47</u> | |

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Approved By Tim Hauer

Our Representative Dan Rangle

CHART PAGE
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